

Product datasheet for **MR217033**

Efcab6 (NM_001161629) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Efcab6 (NM_001161629) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Efcab6
Synonyms:	4931407K02Rik; 4932408N08Rik; bM150J22.2; mKIAA1672
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR217033 representing NM_001161629
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGAAGAACATGGATGTAACAGAAAGTTGCAGATTCAGAGCTAGCCTGTGAGCAGGCTCATCAGT
 ACCTCATCATGAAAGCCAAAACCAGATGGGCAGACCTGTCCAAGAATTTATAGAAAACGGATAATGAGGG
 CAACGGCATCCTCCGGCGAAGGGACATCAAGAACTCGCTCTATGGCTTTGACATCCCCCTCACCCCAAGA
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 GCAGGGTGCGAAGGTGCTACAGGAATGTGGGTGTCCCTTGAAGGAGGAGGAGCTCATCAGCCTTCTGAA
 GAGCTTGGACGTAGTGTGCATAACAATCACATCGACCCTGTGCAATTCCTGAGAGCGCTTGAGATCAGC
 TGGGCCAGCAAAGCTCGCCCAAAGGAGAAGGAGGAAAGCTCGCCACCGCCATCAGCTTCTTAAGGTGA
 CCCCAGATGAGGTGATAAAGACCATGCAGGAGGTGGTGGAGTCCCTCCAGCCTGCTTTGGTGGAGGCCCT
 CTCTGCACTGGATAAAGAGGACACAGGGTTCGTGAAGGCTATGGAATTTGGAGATGTCTGCGGAGCGTA
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 CGGACAAGCAGGGGACCATCTCTGCAGTGAAGTTCCTGGCGCTCGTGGAGAAGTTCAAGCTGGACATCAG
 CAGGGAGGAGAGCCAGCAGCTCATCGTCAAGTACGACCTGAAGAACAACGGCAAGTTCGCCTACTGCGAC
 TTCATCCAGAGCTGCGTCTGCTGCTGAAGGCCAAGGAGACCTCTCTGATGCGGAGGATGAGGATCCAGA
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 CTGAGTGTGGCTGACTTCAGGAAGGTGCTGCGGCAGTACAGCATTAACTGTGTCAGAGGAGGAGTTCTTCC
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 GCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR217033 representing NM_001161629
Red=Cloning site Green=Tags(s)

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MSKKHGCKQKVADSELACEQAHQYLIMKAKTRWADLSKNFIETDNEGNGLRRRDIKNSLYGFDIPLTPR
EFEKLWQNYDTEGRGYITYQEFHLRLGIRYSPKVHRPYKEDYFNFLGHFTKPKQVQEEIQELQQISEREK
LMNHYYEISKAFNAMEKSKPVALCRVQKVLQECGCPLEEELISLLKSLDVSVHNNHIDPVEFLRALEIS
WASKARPKEKEESSPPPIISFSKVTPDEVIKTMQEVVSSQPALVEAFSALDKEDTGFVKAMEFGDVLRSV
CQKLDNQYHYFLRRLRLHLTPNIHWKYFLENFSTFQDETTADDWAENMPKAPPPMSPKETAHRDIVARVQ
KAVASHYHTIVQEFENFDLKSNTVSRDEFRSICTRHIQILTDEQFDRLWSELPVNAKGRKLYQDFLSKL
SIERVPSPPMAAGDSGESTMAQRGSSAPEFSQGTRSNLYSPRDRSRVGLKSRSHPCTPVGTPLQNCPEI
ESRLRKQIQGCWRELLRECKEKDQTKQGTISAAEFLALVEKFKLDISREESQQLIVKYDLKNGGKFAYCD
FIQSCVLLLLKAKETSLMRRMRIQNADKMKKEAGMETPSFYALLRIQPKIVHCWRPMMRSFKTYDKNGTGL
LSVADFRKVLQYSINLSEEFHVVLEYDYDKSLSSKISYNDFLRAFLQ
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001161629

ORF Size: 2034 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001161629.1](#), [NP_001155101.1](#)

RefSeq Size: 2412 bp

RefSeq ORF: 2037 bp

Locus ID: 77627

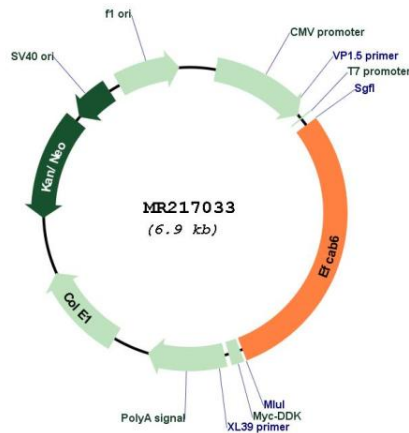
UniProt ID: [Q6P1E8](#)

Cytogenetics: 15 E1-E2

MW: 79.2 kDa

Gene Summary: Negatively regulates the androgen receptor by recruiting histone deacetylase complex, and protein DJ-1 antagonizes this inhibition by abrogation of this complex.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217033